

Pa 84,563 (82)
Unexamined

57-84563 Cell (Matsushita) Gasket material contg tetranitrotho benzene is used. (Pub. 5/26/82, Appl. 11/14/80)

MATU * X16 55672 E/27 * J5 7084-563
Cell with welded sealed packing - by adding organic nitrosyl cpd.
to polyethylene or polypropylene in metal sealed plate
MATSUSHITA ELEC IND KK 14.11.80-JP-161202
A85 E19 L03 (A17) (26.05.82) H01m-02/08
14.11.80 as 161202 (3pp)

4. Japan 57-84563 (Unexamined, May 26, 1982, Matsushita) Cells, Seal gasket of polyethylene or polypropylene contains 0.3 to 0.7% (wt) organic nitrocy compound is claimed. The purpose is to improve the seal for Li-MnO₂ cells and MnO₂-Zn cells of button or coin type. The specific compound is tetranitrosobenzene.

REFERENCE
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UNION CARBIDE CORP.
BATTERY PRODUCTS DIV.
TECHNOLOGY LAB.
TECH. INFO. CTR.

JUL 27 1982

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DPF

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 JA UNEXAMINED
 ENGLISH DIGEST

Japanese Unexamined Patent Application: 57-84563, May 26, 1982

Title: Cell

Application: November 14, 1980 Sr: 55-161202

Inventors: F. Futon

Applicant: Matsushita Electric Industrial Co.

It relates to a sealant for use with cells.

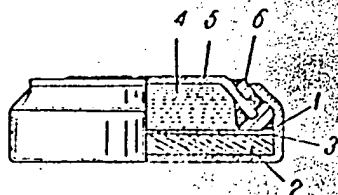
Polyethylene or polypropylene has been used as gasket material, but it lacks bonding to the metal surface. Therefore, it requires a suitable sealant.

In this invention, polyethylene or polypropylene contg 0.3-0.7 wt% organo-nitrosyl compound is used as gasket material. The nitrosyl compound acts as sealant.

Example: Zn/MnO₂ alkaline cells and Li/MnO₂ cells were made using the gaskets of this invention. Polyethylene is used for the alkaline cells while polypropylene is used for the Li/MnO₂ as gasket material. Tetranitroortho benze (TNB) is added.

<u>Zn/MnO₂</u>	<u>TNB</u>	<u>12 months stored</u>
	0.1 w/o	112 leaked
	0.2	47
	0.5	31
	0.7	35
	0.9	96
<u>Li/MnO₂</u>	0.1	88
	0.3	29
	0.5	14
	0.7	33
	0.9	73

Claim: Cells in which gaskets made of PE or PP contg 0.3-0.7 wt% organo nitrosyl compound are used.



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